Title (en)

METHODS OF CALIBRATION OF A STEREOLITHOGRAPHY SYSTEM

Title (de)

VERFAHREN ZUR KALIBRIERUNG EINES STEREOLITHOGRAFISCHEN SYSTEMS

Title (fr)

PROCÉDÉS D'ÉTALONNAGE D'UN SYSTÈME DE STÉRÉOLITHOGRAPHIE

Publication

EP 4330018 A1 20240306 (EN)

Application

EP 22796505 A 20220425

Priority

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Abstract (en)

[origin: US2022339883A1] Provided herein is a system for producing a product. The system generally comprises a large-area micro-stereolithography system, an optical imaging system, and a controller in communication with the large-area micro-stereolithography system and the optical imaging system. The large-area micro-stereolithography system is capable of generating the product by optically polymerizing successive layers of a curable resin at a build plane. The controller is capable of analyzing a focus level of the reference target based on the captured image; and based on the analyzing, adjusting a focus property of the projected image beam of the stereolithography system.

IPC 8 full level

B29C 64/393 (2017.01); **B33Y 30/00** (2015.01); **B33Y 50/02** (2015.01); **C12M 3/00** (2006.01); **G01D 18/00** (2006.01)

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